

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C07C51/31 C07C59/105 B01J23/52 B01J35/00													
According to International Patent Classification (IPC) or to both national classification and IPC													
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07C B01J													
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched													
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, CHEM ABS Data, PAJ													
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Category °</th> <th style="text-align: left; padding: 2px;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="text-align: left; padding: 2px;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;">BIELLA S ET AL: "Selective Oxidation of D-Glucose on Gold Catalyst" JOURNAL OF CATALYSIS, ACADEMIC PRESS, DULUTH, MN, US, vol. 206, no. 2, 10 March 2002 (2002-03-10), pages 242-247, XP004445070 ISSN: 0021-9517 the whole document</td> <td style="padding: 2px;">1-16, 19, 20</td> </tr> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px; text-align: center;">----- -/-</td> <td style="padding: 2px;">17, 18</td> </tr> </tbody> </table>					Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	BIELLA S ET AL: "Selective Oxidation of D-Glucose on Gold Catalyst" JOURNAL OF CATALYSIS, ACADEMIC PRESS, DULUTH, MN, US, vol. 206, no. 2, 10 March 2002 (2002-03-10), pages 242-247, XP004445070 ISSN: 0021-9517 the whole document	1-16, 19, 20	A	----- -/-	17, 18
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A	----- -/-	17, 18											
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.											
° Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed													
"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family													
Date of the actual completion of the international search		Date of mailing of the international search report											
23 November 2004		09/12/2004											
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Seufert, G											

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	S. BIELLA ET AL.: "Application of gold catalysts to selective liquid phase oxidation" CATALYSIS TODAY, vol. 72, no. 1-2, 2002, pages 43-49, XP002306876 cited in the application page 48, right column, point 3.5 - page 49, left column, line 11 -----	1-16,19, 20
A	-----	17,18
A	US 6 232 264 B1 (JONES III FRANK E ET AL) 15 May 2001 (2001-05-15) column 28, line 9 - line 67 column 1, line 15 - line 32 column 15, line 17 - line 32 -----	21-24
A	REMITA S ET AL: "Bimetallic Ag-Pt and Au-Pt aggregates synthesized by radiolysis" RADIATION PHYSICS AND CHEMISTRY, ELSEVIER SCIENCE PUBLISHERS BV., AMSTERDAM, NL, vol. 47, no. 2, February 1996 (1996-02), pages 275-279, XP004051358 ISSN: 0969-806X page 278, right-hand column, line 3 - page 279, left-hand column, last line -----	21-24
A	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MURAKATA, TADAHIRO ET AL: "Photocatalytic preparation of noble metal nanoparticles with use of ultrafine TiO <sub>2</sub> particles" XP002306951 retrieved from STN Database accession no. 2003:129815 abstract & JOURNAL OF CHEMICAL ENGINEERING OF JAPAN, 35(12), 1270-1276 CODEN: JCEJAQ; ISSN: 0021-9592, 2002, -----	21-24
A	DATABASE WPI Section Ch, Week 198850 Derwent Publications Ltd., London, GB; Class A35, AN 1988-356292 XP002306877 & JP 63 265814 A (NIPPON MINING CO) 2 November 1988 (1988-11-02) abstract -----	

## Information on patent family members

International Application No  
IB2004/002059

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6232264	B1	15-05-2001	NONE
JP 63265814	A	02-11-1988	NONE